For each of the expressions below, tell whether it evaluates to True or False.

* The value of `temp` is 32
* The value of `str` is "Python"

<table>
<thead>
<tr>
<th>Expression</th>
<th>True</th>
<th>False</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>str == 'python'</code></td>
<td>🔘</td>
<td>🔘</td>
</tr>
<tr>
<td><code>temp == 32</code></td>
<td>🔘</td>
<td>🔘</td>
</tr>
<tr>
<td><code>temp &gt;= 32</code> and <code>temp &lt; 212</code></td>
<td>🔘</td>
<td>🔘</td>
</tr>
<tr>
<td><code>str == 'python' or str == 'Python'</code></td>
<td>🔘</td>
<td>🔘</td>
</tr>
<tr>
<td>True or True</td>
<td>🔘</td>
<td>🔘</td>
</tr>
</tbody>
</table>

Correct

**Question:**
`str == 'python'`

**Answer:**
False

**Question:**
`temp == 32`

**Answer:**
True

**Question:**
`temp >= 32` and `temp < 212`

**Answer:**
True

**Question:**
`str == 'python' or str == 'Python'`

**Answer:**
True

**Question:**
True or True

Answer:
True

1/1 If \( x \) is an integer, and \( x \% 2 \) evaluates to 0, what can you conclude about \( x \)?

- I don't know.
- \( x \) is odd.
- \( x \) is even.
- Nothing.

Correct

Answer:
\( x \) is even.

1/1 For the if statement below, identify which statement(s) execute. Select all that apply. The value of \( x \) is 12.

```python
if x < 0:
    CLAUSE_1_STATEMENTS
elif x > 0:
    CLAUSE_2_STATEMENTS
elif x == 12:
    CLAUSE_3_STATEMENTS
else:
    CLAUSE_4_STATEMENTS
```

Correct

Answer:
CLAUSE_2_STATEMENTS

1/1 Which of the following is true about any if statement (that may include several clauses, including elif and else clauses)? Check all that apply.

- You execute the code in every clause whose condition is True.
- You always execute the code in exactly one clause.
You evaluate the if statement's conditions one at a time, from bottom to top.
You evaluate the if statement's conditions one at a time, from top to bottom.
You execute the code in at most one clause.

Correct

Answer:
You execute the code in at most one clause., You evaluate the if statement's conditions one at a time, from top to bottom.


Your answer should have one statement per line. The only statements you should include in your answer are assignments to word (the loop variable) and STATEMENTS_1 and STATEMENTS_2 (stand-ins for blocks of statements).

for word in ['program', 'thoughtfully']:
    if word == 'program':
        STATEMENTS_1
    else:
        STATEMENTS_2

word = 'program'
STATEMENTS_1
word = 'thoughtfully'
STATEMENTS_2

Correct

Answer:

Feedback:
word = 'program'
STATEMENTS_1
word = 'thoughtfully'
STATEMENTS_2

Total points: 6/6
Questions or Comments?
Contact Ruth Anderson at rea@cs.washington.edu